

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/CH 02/00349

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61B5/042 A61B5/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 370 412 B1 (AROUNDAS ET AL.) 9 April 2002 (2002-04-09) column 3, line 22 -column 5, line 20; figures 1-3	1-5,8
Y	WO 99 45994 A (BEYAR) 16 September 1999 (1999-09-16) cited in the application the whole document	1-5,8
A	US 6 246 898 B1 (VESELY ET AL.) 12 June 2001 (2001-06-12) cited in the application column 12, line 58 -column 14, line 49 column 31, line 50 -column 33, line 67; figures 16,19	1-11
	-/-	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

27 February 2003

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hunt, B

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PCT/CH 02/00349

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 645 065 A (SHAPIRO ET AL.) 8 July 1997 (1997-07-08) cited in the application the whole document ---	1,4,11
A	US 5 967 978 A (LITTMANN ET AL.) 19 October 1999 (1999-10-19) column 9, line 51 -column 10, line 34; figures 15-17 ---	4-7
A	US 5 662 108 A (BUDD ET AL.) 2 September 1997 (1997-09-02) abstract column 7, line 58 -column 8, line 6; figures 1-3,8-10 -----	4,5

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CH 02/00349

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6370412	B1	09-04-2002	US 6308093 B1 23-10-2001
			EP 1145047 A1 17-10-2001
			WO 0125822 A1 12-04-2001
WO 9945994	A	16-09-1999	AU 3271799 A 27-09-1999
			EP 1061990 A1 27-12-2000
			WO 9945994 A1 16-09-1999
US 6246898	B1	12-06-2001	US 5797849 A 25-08-1998
			US 5515853 A 14-05-1996
			AU 3791099 A 29-11-1999
			EP 1076512 A1 21-02-2001
			WO 9958055 A1 18-11-1999
			AT 195024 T 15-08-2000
			AU 5140496 A 23-10-1996
			DE 69609529 D1 31-08-2000
			DE 69609529 T2 29-03-2001
			EP 0879426 A2 25-11-1998
			JP 11503629 T 30-03-1999
			AU 6514298 A 22-09-1998
			WO 9839669 A1 11-09-1998
			CA 2215508 A1 10-10-1996
			WO 9631753 A2 10-10-1996
			US 5830144 A 03-11-1998
			US 5795298 A 18-08-1998
			US 5868673 A 09-02-1999
			US 5817022 A 06-10-1998
			US 5779638 A 14-07-1998
US 5645065	A	08-07-1997	US 5425367 A 20-06-1995
			AU 714148 B2 23-12-1999
			AU 5480096 A 30-10-1996
			CA 2218093 A1 17-10-1996
			EP 0822778 A1 11-02-1998
			JP 11503630 T 30-03-1999
			WO 9632060 A1 17-10-1996
			AU 666672 B2 22-02-1996
			AU 2511592 A 05-04-1993
			CA 2116970 A1 18-03-1993
			EP 0606253 A1 20-07-1994
			JP 7500979 T 02-02-1995
			WO 9304628 A1 18-03-1993
US 5967978	A	19-10-1999	US 5682885 A 04-11-1997
			US 5509411 A 23-04-1996
			AT 214569 T 15-04-2002
			CA 2154773 A1 04-08-1994
			DE 69430192 D1 25-04-2002
			DE 69430192 T2 07-11-2002
			EP 0681450 A1 15-11-1995
			ES 2173913 T3 01-11-2002
			US 5699796 A 23-12-1997
			US 5645064 A 08-07-1997
			US 5957842 A 28-09-1999
			US 6141576 A 31-10-2000
			US 5711298 A 27-01-1998
			AT 220879 T 15-08-2002
			AT 205066 T 15-09-2001

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CH 02/00349

Patent document cited in search report		Publication date	Patent family member(s)	Publication date		
US 5967978	A		AU 5966398 A	28-05-1998		
			AU 692762 B2	18-06-1998		
			AU 6233094 A	15-08-1994		
			AU 6233594 A	15-08-1994		
			AU 6233694 A	15-08-1994		
			AU 7396098 A	08-10-1998		
			AU 7417298 A	01-10-1998		
			CA 2154772 A1	04-08-1994		
			CA 2154774 A1	04-08-1994		
			DE 69428188 D1	11-10-2001		
			DE 69428188 T2	21-03-2002		
			DE 69431038 D1	29-08-2002		
			DK 681451 T3	17-12-2001		
			EP 0682502 A1	22-11-1995		
			EP 0681451 A1	15-11-1995		
			ES 2163436 T3	01-02-2002		
			JP 8506034 T	02-07-1996		
			JP 8506251 T	09-07-1996		
			JP 3370093 B2	27-01-2003		
			JP 8506252 T	09-07-1996		
			PT 681451 T	28-02-2002		
			US 6088610 A	11-07-2000		
			WO 9416632 A1	04-08-1994		
			WO 9416618 A1	04-08-1994		
			WO 9416619 A1	04-08-1994		
			US 5706809 A	13-01-1998		
			US 5645082 A	08-07-1997		
			US 5685322 A	11-11-1997		
			US 5881732 A	16-03-1999		
			US 5960796 A	05-10-1999		
		US 5662108	A	02-09-1997	US 6240307 B1	29-05-2001
					US 5297549 A	29-03-1994
					US 5311866 A	17-05-1994
	AT 160273 T			15-12-1997		
	CA 2144973 A1			31-03-1994		
	DE 69315354 D1			02-01-1998		
	DE 69315354 T2			19-03-1998		
	EP 0661948 A1			12-07-1995		
	JP 8501477 T			20-02-1996		
	WO 9406349 A1			31-03-1994		